PATENT
Attorney Docket No. 3386.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Christians et al

Serial No: 09/683,613

Filing Date: January 24, 2002

Title: **Methods for Screening Polypeptides**

Examiner: Unknown

Group Art Unit: 1646

#3/A
Plunkett

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please enter the following amendments and consider the remarks that follow prior to examination of the above-referenced application:

IN THE SPECIFICATION

Please replace paragraph 0005 with the following:

--Figure 11 illustrates one way in which a microarray with tag-probes could be used to screen a protein library, with no cloning needed. To a protein-encoding mRNA a 5' tag sequence and a 3' ribosome-blocking sequence are attached (**A**). In a pool of such molecules, such as a randomly mutated gene library, each mRNA is paired with a unique tag and all have the same 3' sequence. Following in-vitro translation either on a microarray or in a test tube, the nascent protein remains attached to the mRNA (**B**), as in the technique of ribosome display (see, e.g., Hanes, et al. (2000) Methods Enzymol 328:404). During hybridization the tag directs each mRNA or mRNA-protein complex to